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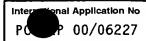


INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No.	Applicant's or agent's file reference W0-02959		of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
Applicant DSM N.V. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18.A copy is being transmitted to the International Bureau. This International Search Report consists of a total of		International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	PCT/EP 00/06227	14/06/2000	14/06/1999
This International Search Report consists of a total of			
1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: Contained in the international application in written form. field together with the international application in computer readable form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I). Unity of Invention is lacking (see Box II). 4. With regard to the title, The text is approved as submitted by the applicant. the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. None of the figures.	according to Article 18. A copy is being tr This International Search Report consists	ansmitted to the International Bureau. of a total of3 sheets.	
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.10b). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence disclosed in the international application, the international search was carried out on the basis of the sequence disclosed in the international application, the international application in written form. If the international application in written form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readble form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Unity of Invention is lacking (see Box II). Unity of Invention is lacking (see Box II). With regard to the title, X	It is also accompanied by	a copy of each prior art document cited in this	s report.
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INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/53 C12N

C12N15/52

C12N9/02

C12N9/04

C12P19/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12P C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, STRAND, EMBL

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	APARICIO ET AL.: "The biosynthetic gene cluster for the 26-membered ring polyene macrolide pimaricin. A new polyketide synthase organization encoded by two subclusters separated by functionalization genes" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 15, 9 April 1999 (1999-04-09), pages 10133-10139, XP002120719 page 10134, column 2; figure 2 page 10137, column 2	1-13, 15-27
X Furti	ner documents are listed in the continuation of box C.	illy members are listed in annex.
"A" docume	or priority date	oublished after the international filing date and not in conflict with the application but tand the principle or theory underlying the

Considered to be of paraodial referan	
"E" earlier document but published on or a filing date	after the international
"L" document which may throw doubts on	priority claim(s) or

which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

document published prior to the international filing date but later than the priority date claimed

cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Date of mailing of the international search report

"&" document member of the same patent family

Date of the actual completion of the international search

27 October 2000 08/11/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

van Klompenburg, W

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C (C4l-1)	AND DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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